



## **MOSQUITO CONTROL TECHNICIAN**

### **DESCRIPTION OF WORK**

General Statement of Duties: Perform mosquito control activities and surveillance to minimize the impact of mosquito-spread diseases such as West Nile Virus. This is a seasonal position.

Supervision Received: Works under the general direction of the Environmental Health Administrator or their designee.

Supervision Exercised: None

### **ESSENTIAL FUNCTIONS:**

1. Set up and maintain mosquito traps.
2. Performs the weekly collection of mosquito trap contents and delivers a portion to the North Dakota Department of Health laboratory.
3. Determines the sex and species of mosquitoes and enters data into records system.
4. Performs mosquito control activities such as treating water with mosquito larvicide and applying mosquito adulticide in public areas.
5. Load and unload pesticide. Triple washes pesticide containers prior to disposal.
6. Clean, wash, and maintain mosquito equipment, including vehicles.
7. Maintain mosquito storage space.
8. Performs other duties of a comparable level/type as required.

### **MINIMUM QUALIFICATIONS**

Education and Experience: High School diploma or GED. Age: Must be at least 18 years of age at date of hire.

Special Requirements: Must possess a valid North Dakota Driver's License. Must achieve certification from the Burleigh County Extension Office in the following programs: Core, Right of Way and Public Health.

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### **REQUIRED KNOWLEDGE, SKILLS AND ABILITIES:**

Ability to use a microscope.

Ability to communicate effectively verbally and in writing.

Ability to follow instructions, especially those on pesticide labels.

Ability to use Microsoft applications and GIS.

Ability to record and maintain accurate records.

Ability to operate a full-sized truck while hauling a loaded trailer.

Ability to operate a utility vehicle (UTV).

Ability to operate mosquito fogging equipment and mosquito larvacide applicator.

### **THE PHYSICAL ACTIVITIES OF THIS POSITION ARE:**

**BALANCING:** Maintaining body equilibrium to prevent falling when walking standing or crouching on narrow, slippery or erratically moving surfaces. This factor is important if the amount and kind of balancing exceeds that needed for ordinary locomotion and maintenance or body equilibrium.

**STOOPING:** Bending body downward and forward by bending spine at the waist. This factor is important if it occurs to a considerable degree and requires full use of the lower extremities and back muscles.

**KNEELING:** Bending legs at knee to come to a rest on knee or knees.

**CROUCHING:** Bending the body downward and forward by bending leg and spine.

**REACHING:** Extending hand(s) and arm(s) in any direction.

**STANDING:** Particularly for sustained periods of time.

**WALKING:** Moving about on foot to accomplish tasks, particularly for long distances.

**LIFTING:** Raising objects from a lower to a higher position or moving objects horizontally from position-to-position. This factor is important if it occurs to a considerable degree and requires the substantial use of the upper extremities and back muscles.

**FINGERING:** Picking, pinching, typing or otherwise working primarily with fingers rather than with the whole hand or arm as in handling.

**GRASPING:** Applying pressure to an object with the fingers and palm.

**FEELING:** Perceiving attributes of objects, such as size, shape, temperature or texture by touching with skin, particularly that of fingertips.

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**TALKING:** Expressing or exchanging ideas by means of the spoken word. Those activities in which they must convey detailed or important spoken instructions to other workers accurately, loudly, or quickly.

**HEARING:** Perceiving the nature of sound with no more than a 40 db loss @ 500 Hz, 1,000 Hz and 2,000 Hz with or without correction. Ability to receive detailed information through oral communication, and to make fine discriminations in sound, such as when making the fine adjustments on machined parts.

**REPETITIVE MOTIONS:** Substantial movements (motions) of the wrists, hand and/or fingers.

### **THE PHYSICAL REQUIREMENTS OF THIS POSITION ARE:**

**MODERATE WORK:** Exerting up to 50 pounds of force occasionally, and/or up to 25 pounds frequently, and/or a negligible amount of force constantly to move objects. If the use of arm and/or leg controls requires exertion of forces greater than that for Sedentary Work and the worker sits most of the time, the job is rated for Light Work.

### **THE VISUAL ACUITY REQUIREMENTS INCLUDING COLOR, DEPTH PERCEPTION AND FIELD OF VISION FOR THIS POSITION ARE:**

**MACHINE OPERATORS (including inspection), INSPECTION, CLOSE ASSEMBLY, CLERICAL, ADMINISTRATIVE:** This is a minimum standard for use with those whose work deals largely with preparing and analyzing data and figures, accounting, transcription, computer terminal, extensive reading, visual inspection involving small parts, operation of machines (including inspection), using measurement devices, assembly or fabrication of parts at distances close to the eyes.

### **THE CONDITIONS THE WORKER WILL BE SUBJECT TO IN THIS POSITION ARE:**

The worker is subject to outside environmental conditions: No effective protection from weather.

The worker is subject to extreme heat: Temperatures above 100 degrees for periods of more than one hour.

The worker is subject to noise: There is sufficient noise to cause the worker to shout in order to be heard above the ambient noise level.

The worker is subject to vibration: Exposure to oscillating movements of the extremities or whole body.

The worker is subject to atmospheric conditions: One or more of the following conditions that affect the respiratory system or the skin: Fumes, odors, dusts, mists, gases, or poor ventilation.

The worker is subject to working with pesticides and must wear required personal protective equipment (PPE).